

Appl. No. 09/661,582 Replacement Sheet

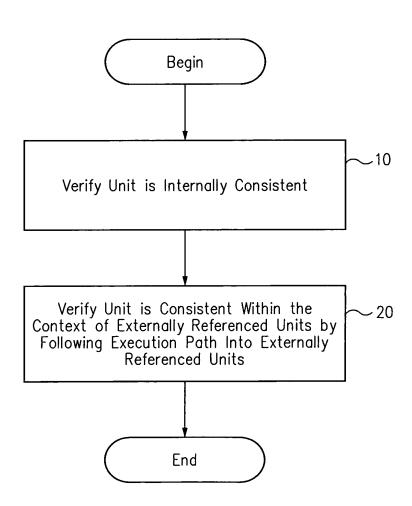


FIG. 1 (PRIOR ART)

Appl. No. 09/661,582 Replacement Sheet 2/34

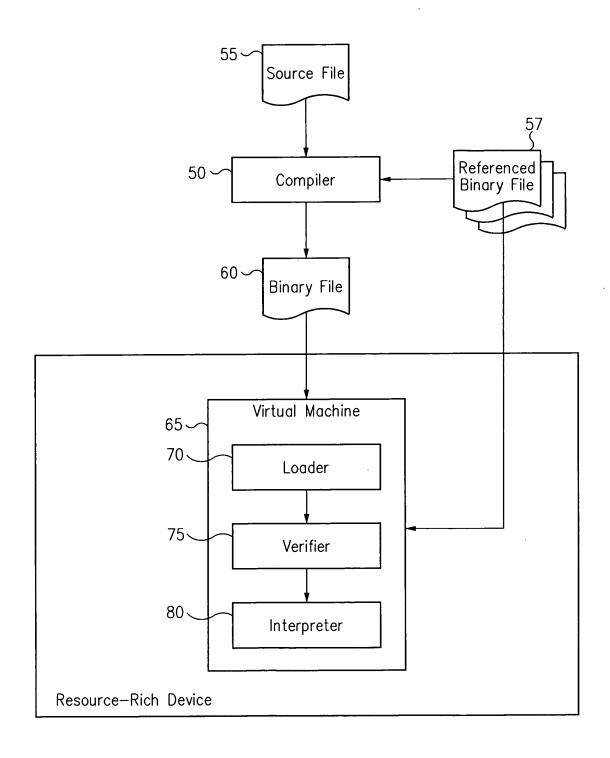


FIG. 2 (PRIOR ART)

Appl. No. 09/661,582 Replacement Sheet



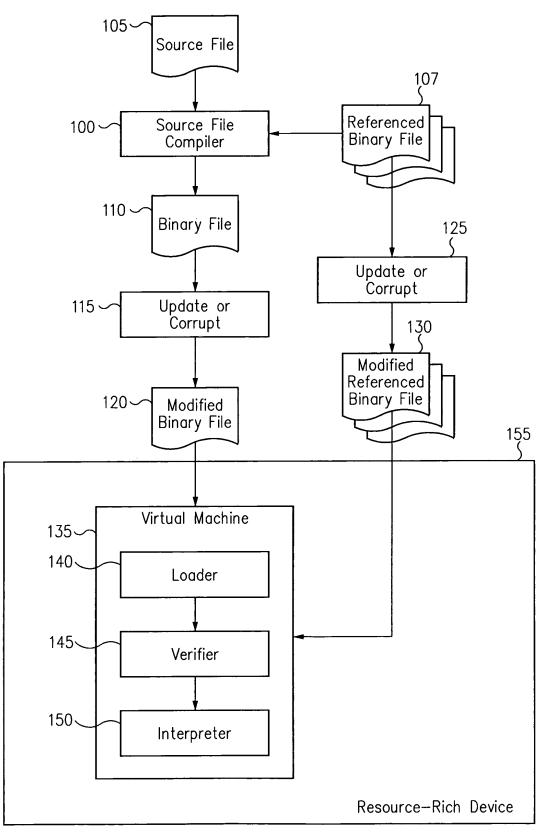


FIG. 3 (PRIOR ART)

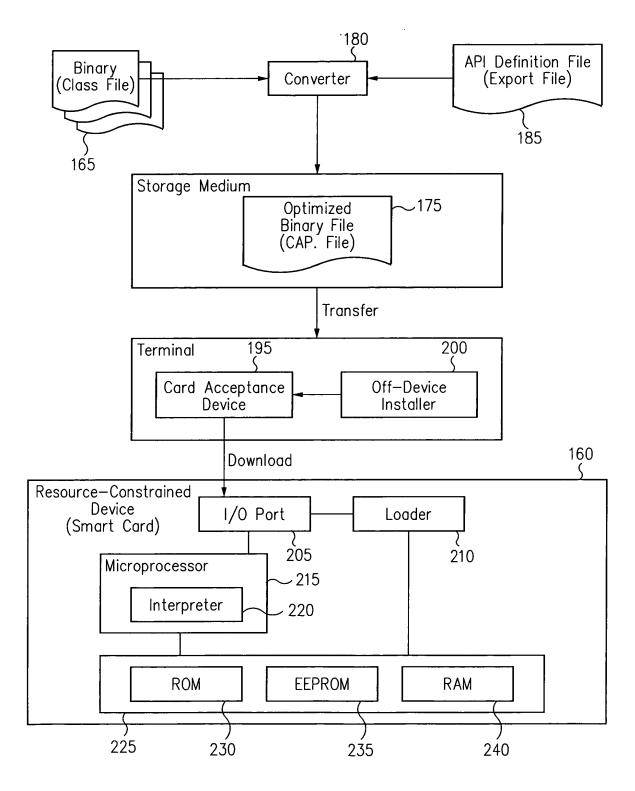


FIG. 4 (PRIOR ART)

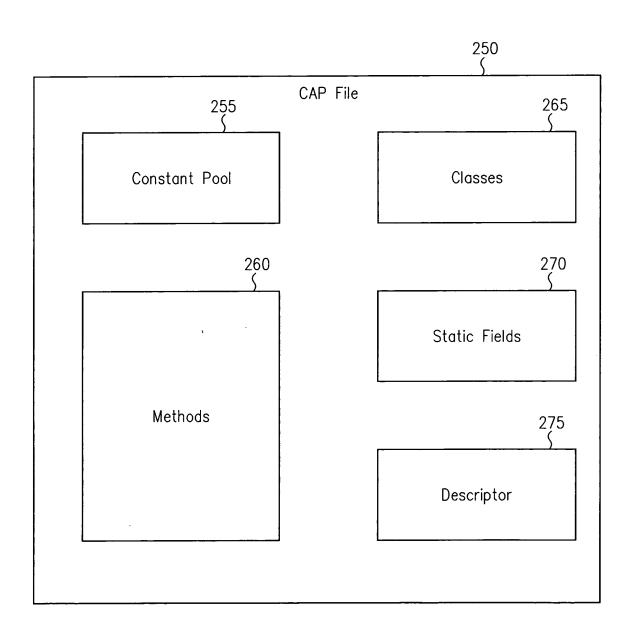


FIG. 5 (PRIOR ART)

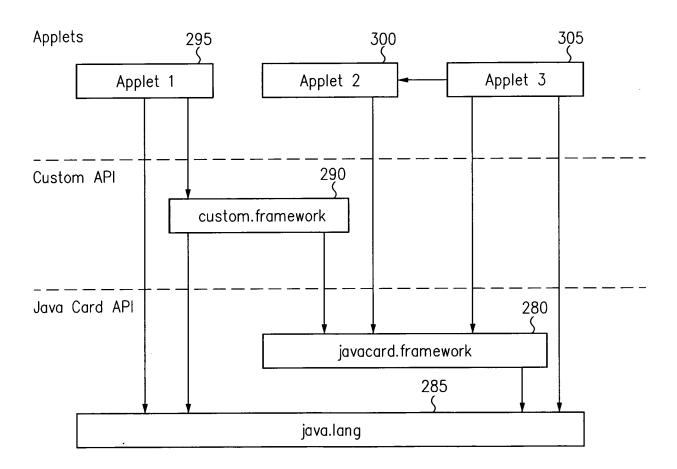


FIG. 6 (PRIOR ART)

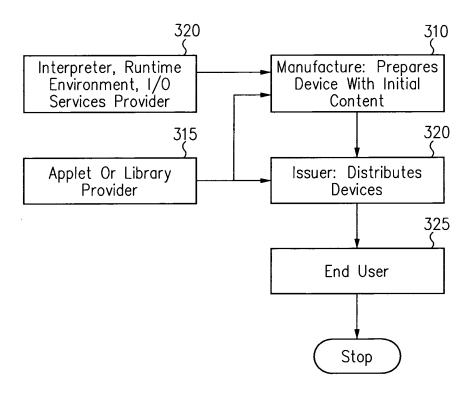


FIG. 7 (PRIOR ART)

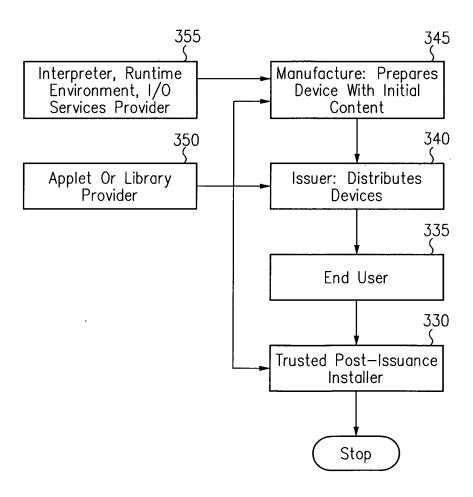


FIG. 8 (PRIOR ART)

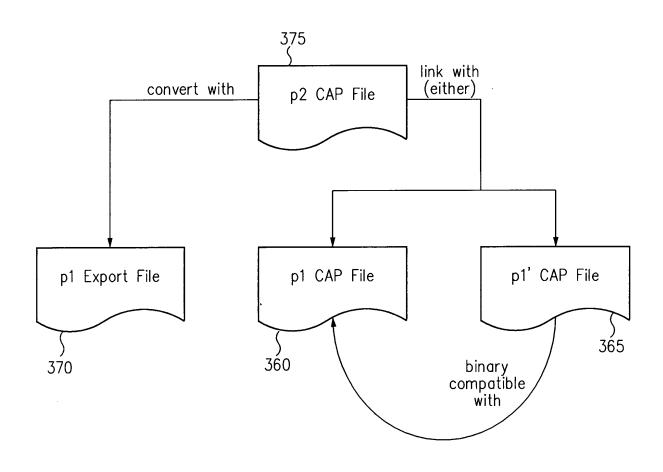
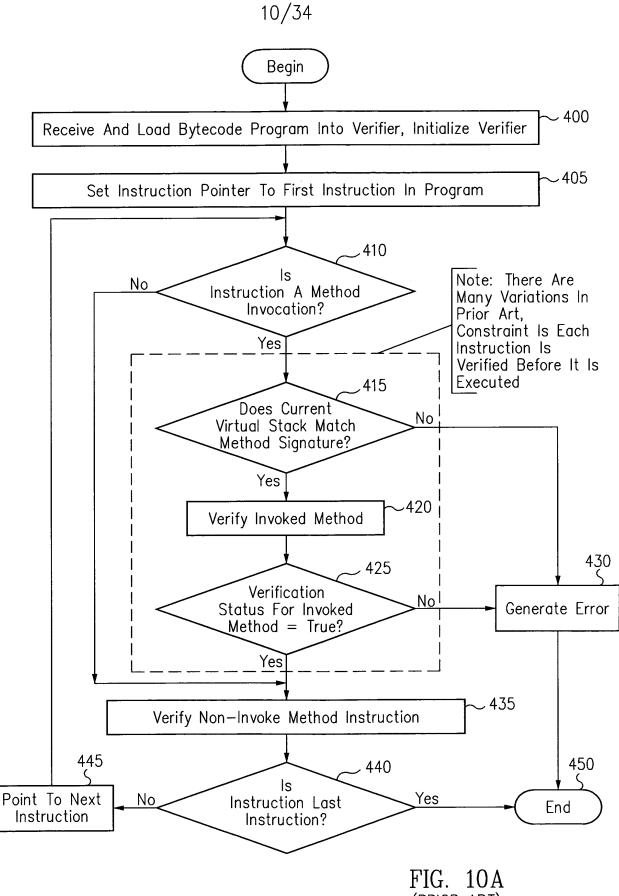


FIG. 9 (PRIOR ART)



(PRIOR ART)

```
510
                                                                                            515
                                                                          Virtual Stack
 package a1; \sim 505
 import L0;
                                                                     Before
                                                                                         After
                                                                     560
class A1 extends Object {
520 void A10 (short s) {
520 byte ball = A1
                                    555
              byte ba[] = A11(s);
                           > 560
              return;
        byte[] A11 (int i) {
byte ba[]new byte[i];
610
                                                                   570
                                                                     ref: A1
                ba[0] = (byte)classL0.L01(this);
                return ba;
                                            540
 package L0; \sim 500
                                                                 590
 public class classL01 {
    public static int L01 (Object o) {
                                                                  ref: Object
                int i; \sim 595
                                                                       int
                                                                                         float
                 float f = LO2(i,o);
        585 /
                return i;
       private static float LO2 (int i,Object o) {
                 float f; \sim 605
                return f; \sim 600
        }
```

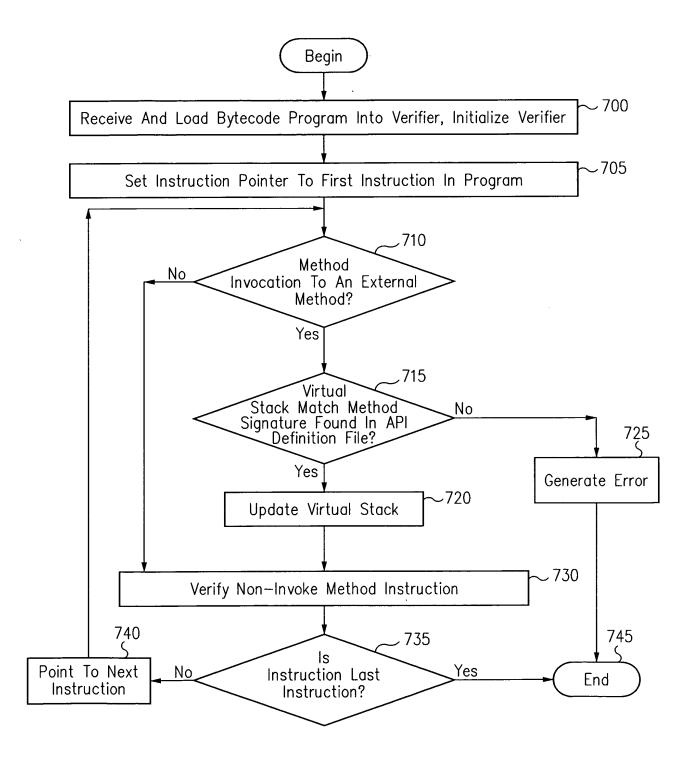
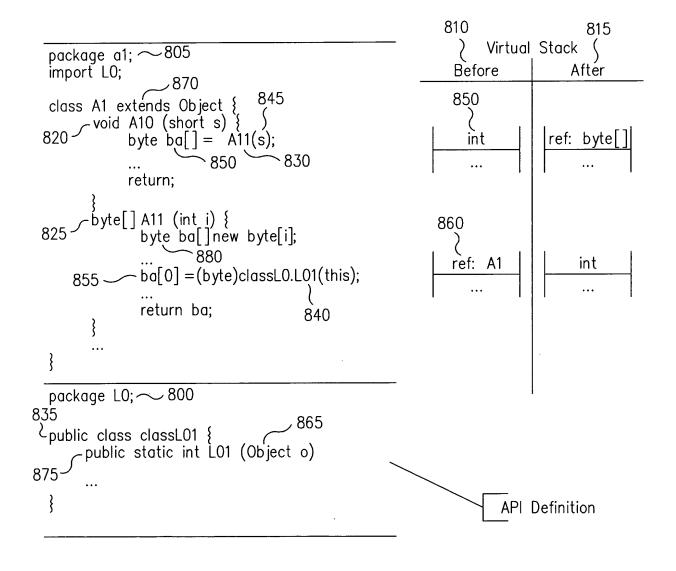


FIG. 10C



14/34

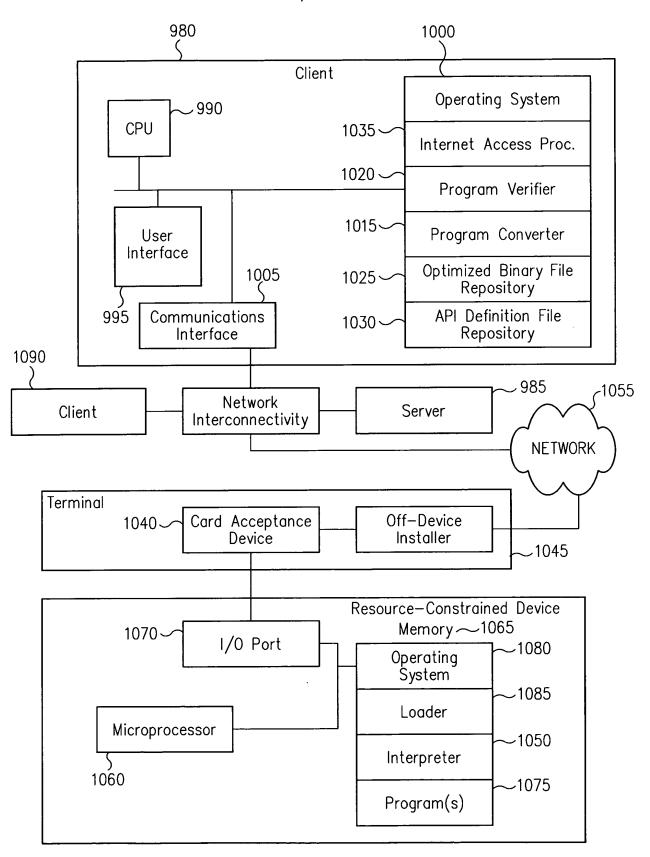


FIG. 11A

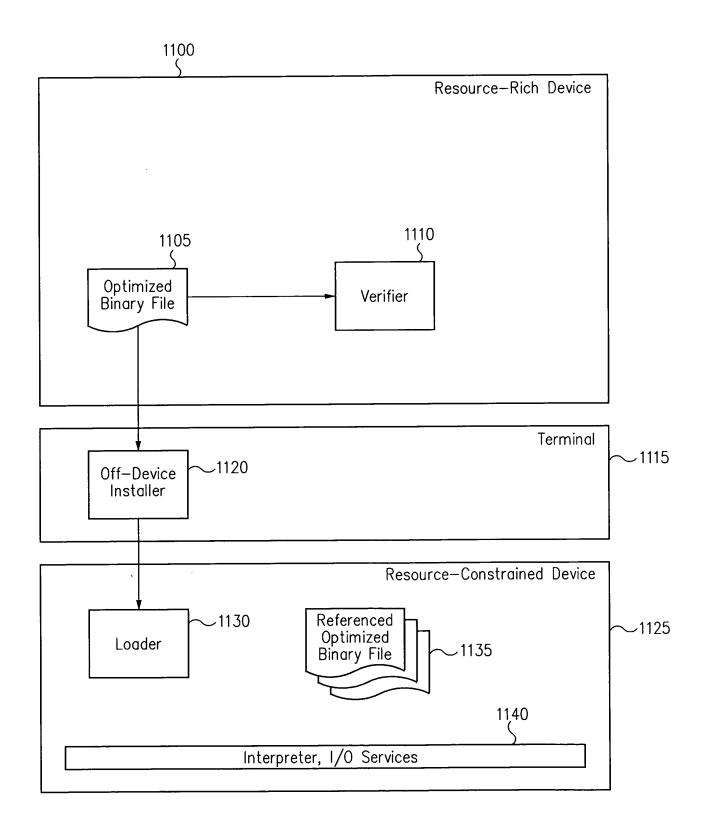


FIG. 11B

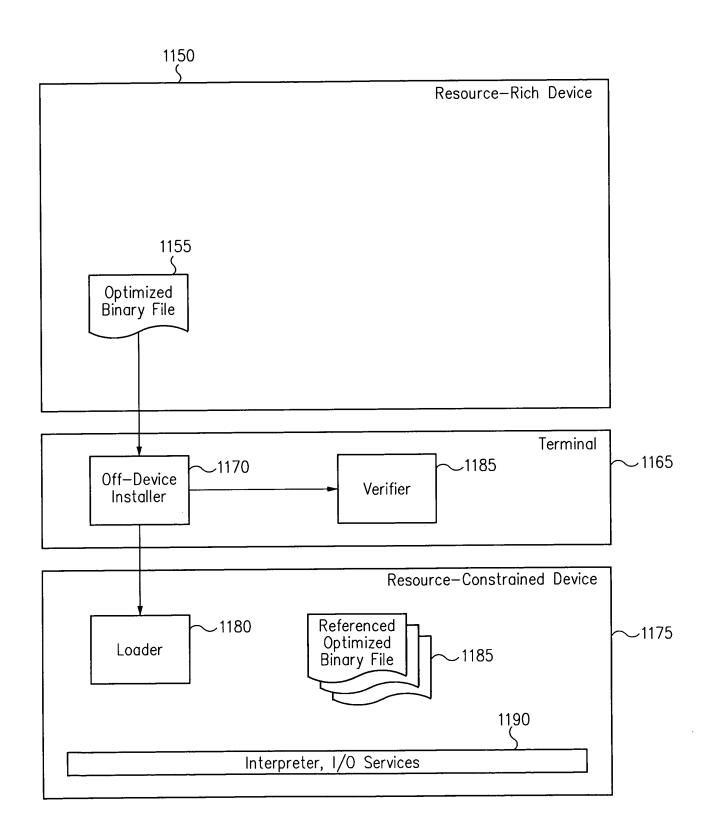


FIG. 11C

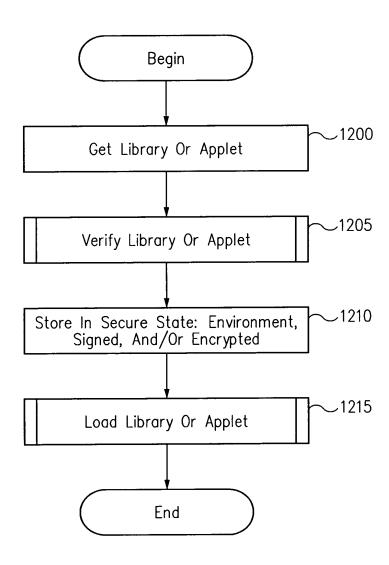


FIG. 12

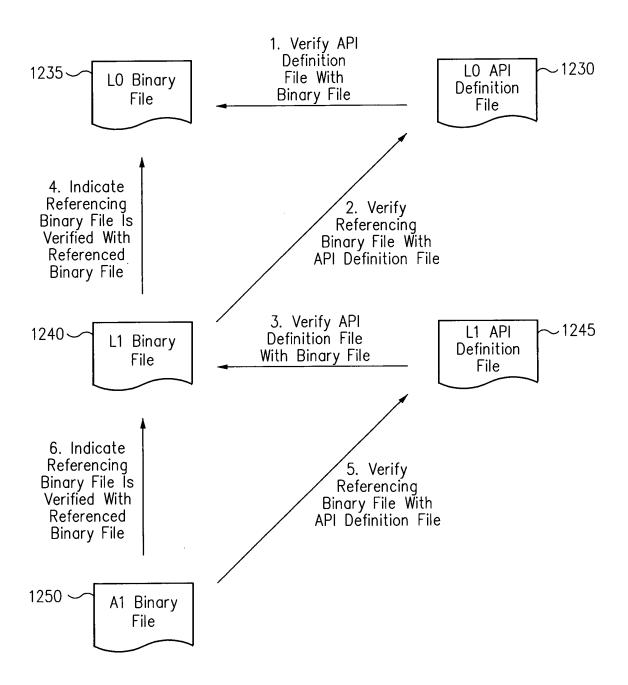


FIG. 13A

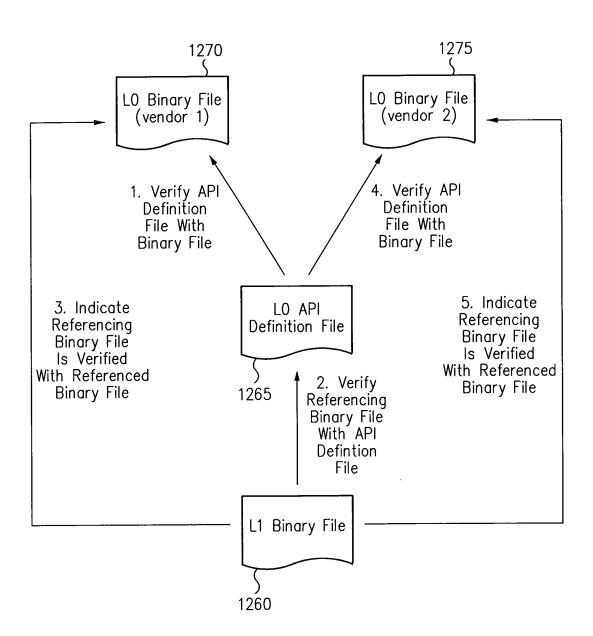
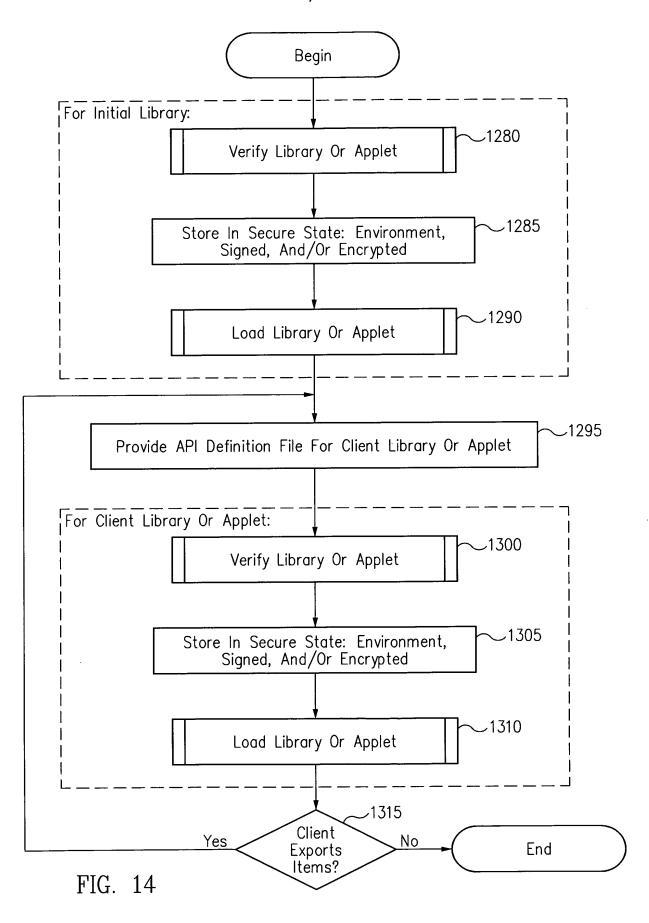


FIG. 13B

Appl. No. 09/661,582 Replacement Sheet



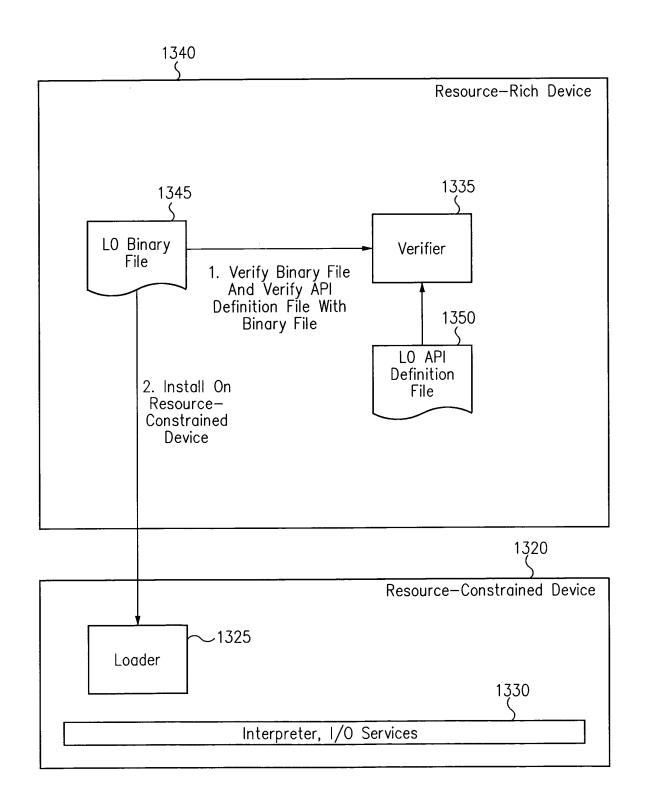


FIG. 15A

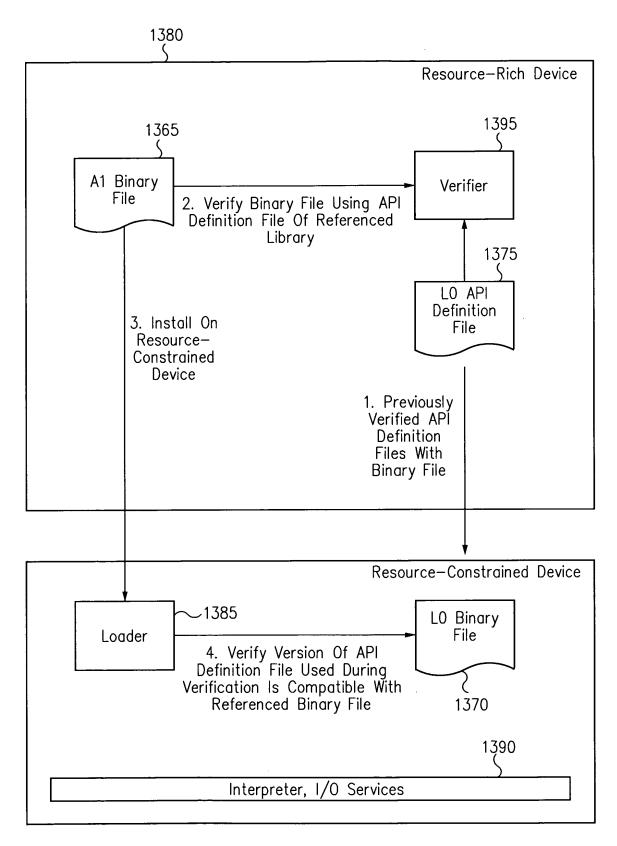


FIG. 15B

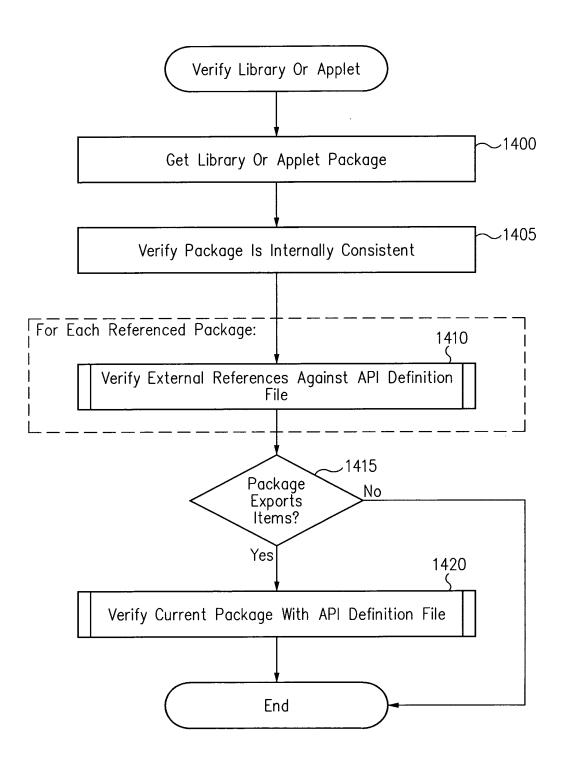


FIG. 16

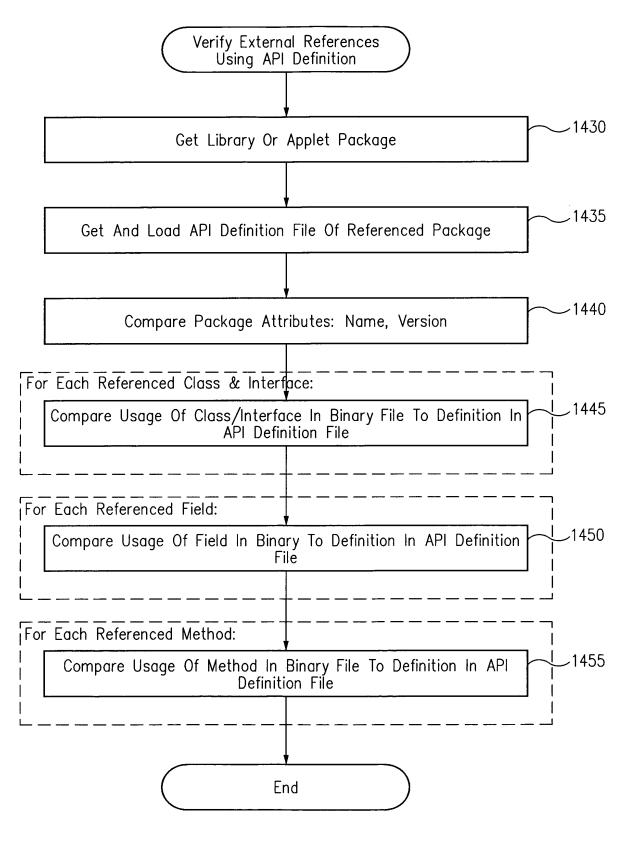
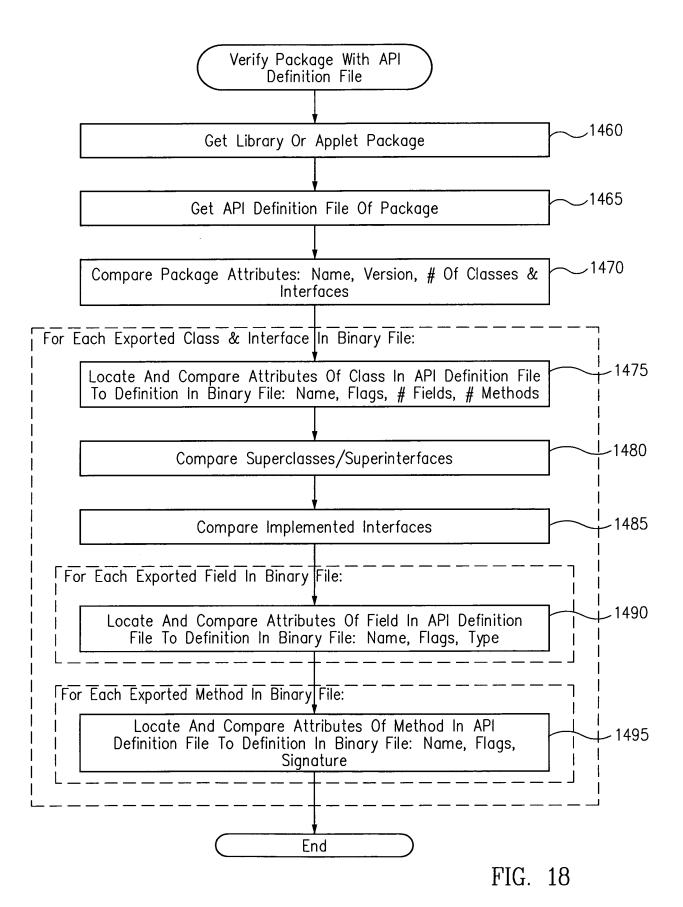


FIG. 17

25/34



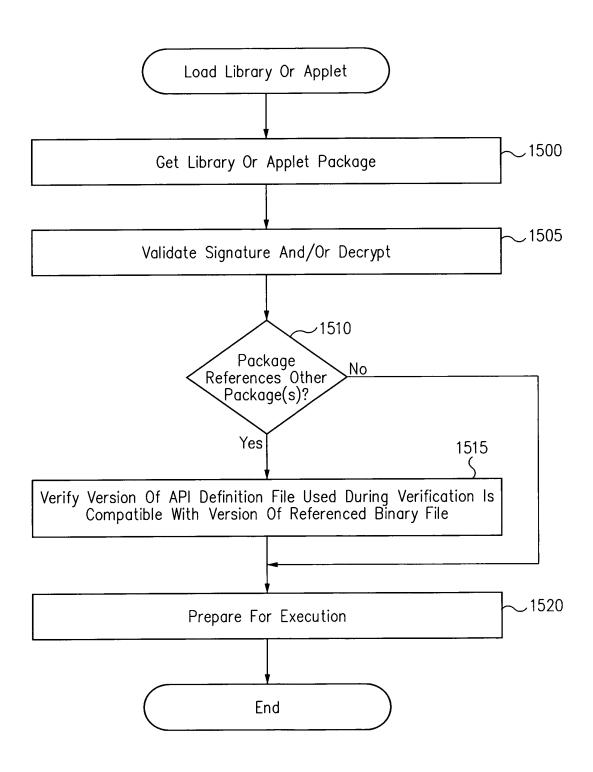


FIG. 19

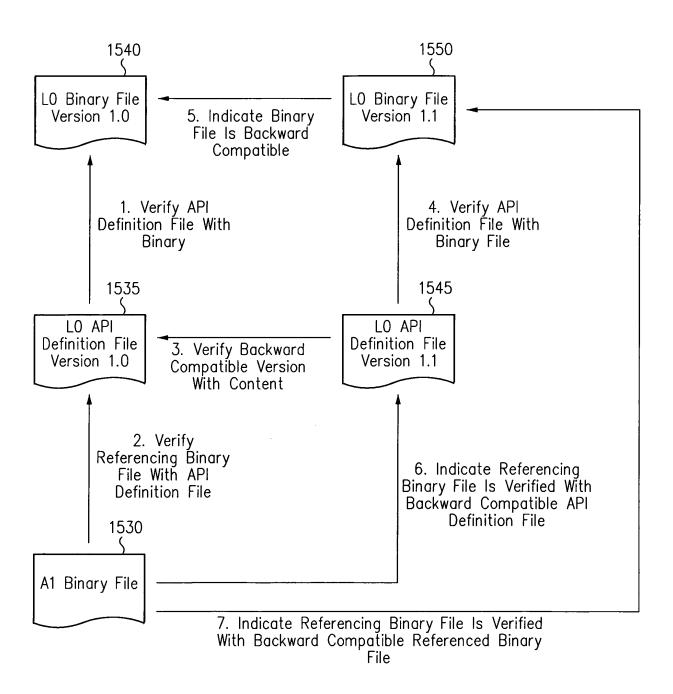


FIG. 20A



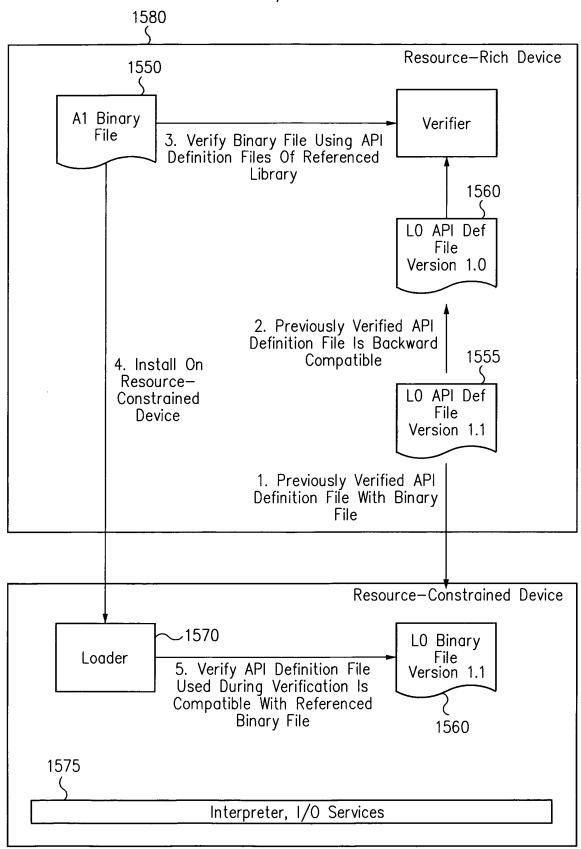


FIG. 20B

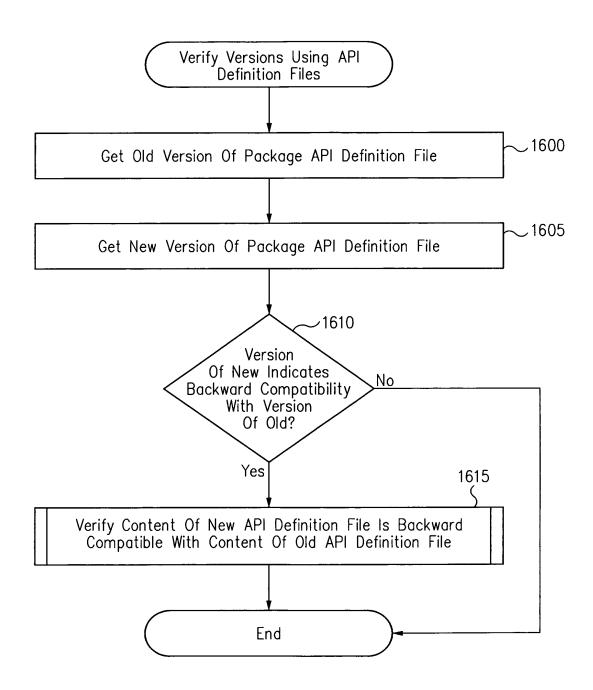


FIG. 20C

30/34

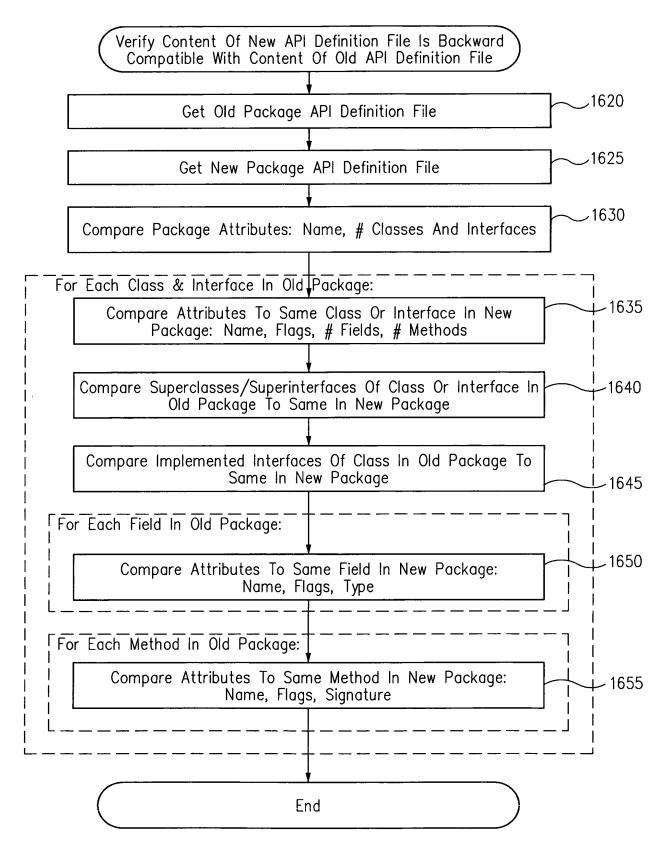


FIG. 20D

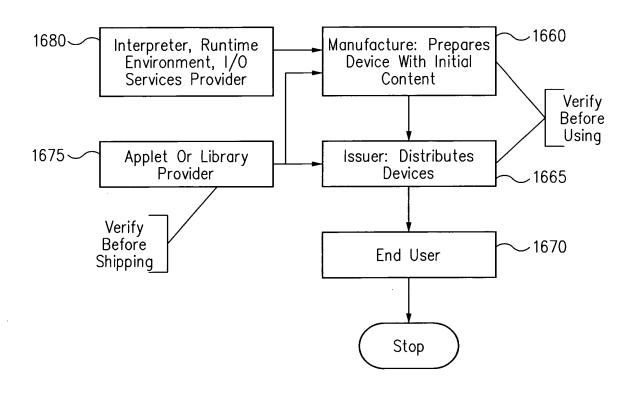


FIG. 21A

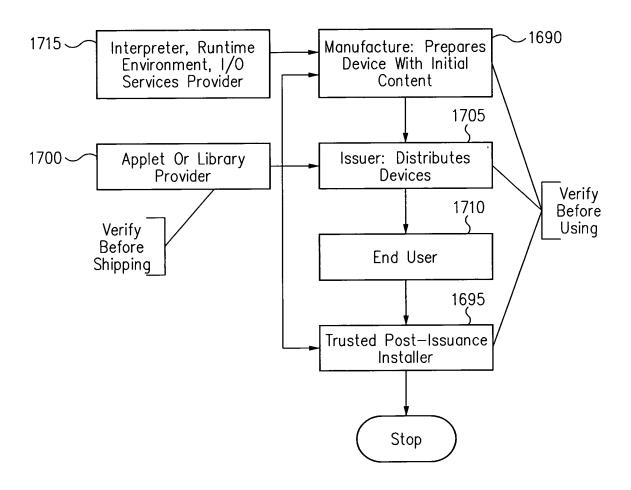


FIG. 21B

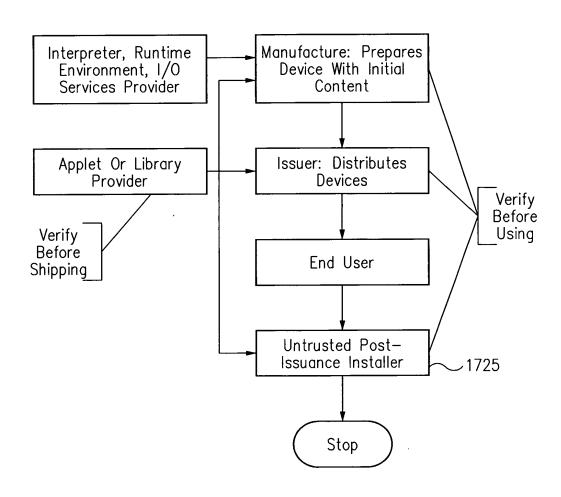


FIG. 21C

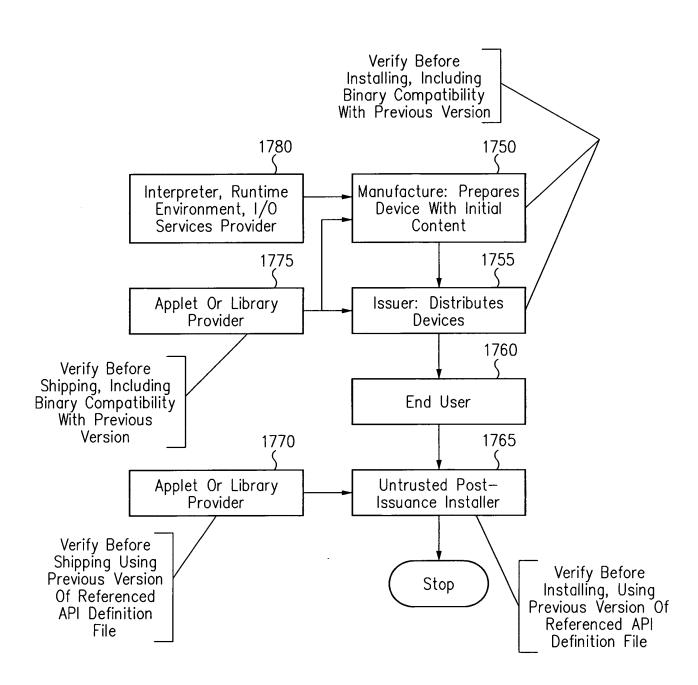


FIG. 21D